

Kiana Marie McNellis

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Education

Rensselaer Polytechnic Institute
B.S. & M.S. in Computer Science – GPA 3.83

Troy, NY
May 2017

Experience

Google – Software Engineer on Firebase Hosting Jan '20 – Present
Firebase Hosting is a developer-focused static-site hosting provider. As a backend SWE, I worked on designing, prioritizing, and developing new features and APIs, as well as maintaining and redesigning existing microservices, with a strong focus on reducing tech debt and improving code health. Designed built a service to re-compress all files being uploaded to Brotli Compression, and serve the lowest size file allowed on a request. Now serves 50% of bandwidth as brotli, with a 20% average size reduction.

Google – Developer Programs Engineer on Firebase July '17 – Jan '20
Part community manager and part developer advocate for Firebase, focusing on Authentication, Hosting, and Web. Work to improve produce excellence by gathering feedback at conferences, online forums, and writing sample apps. Improve the quality of Developer Support by documenting product knowledge, developing support processes, and troubleshooting and deep-diving into incoming questions from developers.

Microsoft – Software Engineering Intern May '16 – Aug '16
Developed a search provider for Window's Cortana search team to enable users to easily search and act upon notifications, missed calls, and low battery alerts received from their phones through Cortana's cross-device platform. Created developer features to allow easy creation of new experimental providers for prototyping and development.

The Inventor's Guild – Inventor and Software Developer Feb '15 – Jun '17
Working as part of a student-run think-tank and consulting firm whose members collaborate to brainstorm and develop ideas for businesses and inventions, consult for and perform contracting work for early-stage start-ups, and promote entrepreneurship in the local community. Contracted with several local startups to build prototypes and proof of concepts.

Rensselaer Center for Open Source – Lead Mentor, Software Developer Aug '14 – Present
Leader of a student run organization that aims to promote Open Source, creativity, and entrepreneurship and organizes ~100 students every semester to work on open source projects. My responsibilities include organizing meeting and talks, coordinating with the students and mentors, and mentoring student developers to help them learn and contribute.

Microsoft – Developer and Product Manager Intern May '15 – Aug '15
Designed and developed an Azure-based system for the Office 365 Foundations Engineering's Customer Insights team to process and evaluate customer usage and tenant data. Created visualizations in order to enable the team to generate insights and analyze how customers were using the product, with the goal of increasing usability and customer satisfaction.

Verizon Cloud Computing – Hypervisor Team Intern May '14 – Aug '14
Worked on the Hypervisor team of Verizon's cloud hosting platform. Developed system for automatic export of logs and memory dumps from crashed servers to enable effective debugging. Helped create long-term secure key-management system.

Projects

Venue (Rensselaer Center for Open Source) Jan '16 – May '17
Built a website and API to allow students to remotely verify their attendance at events outside the classroom without the Instructor's presence required by using their phone's camera and GPS for the Art_X program at RPI.

Observatory (Rensselaer Center for Open Source) Jan '15 – May '17
Built a web-based platform in AngularJS for expanding the Rensselaer's Open Source community, providing members the ability to write blogs, display projects, document contributions, and verify class participation.

Skills

Programming Languages: Go, Typescript, Javascript, HTML, SQL. Experience with: C, C++, Python, Bash, \LaTeX

Other Skills: Distributed systems, Microservices, SQL, APIs, Git, Test-driven development, Problem Solving, Learning